

AUTHOR INDEX, VOLUME 6

- Austin, B. J., 541
- Barron, D. W., 136, 282, 284, 285, 286, 383, 384
- Brinch Hansen, P., 139, 141, 151, 165, 201
- Bron, C., 109
- Brown, P. J., 423, 437
- Brunt, R. F., 93

- Coleman, M. J., 569
- Colijn, A. W., 133
- Coulouris, G. F., 271
- Cox, L. A., 281
- Craddock, J. M., 301
- Cunningham, R. J., 487

- Denning, P. J., 3
- Durham, I., 271

- Earnshaw, R. A., 51
- Elshoff, J. L., 505
- Ewens, P. M., 541

- Feyock, S., 207
- Ford, B., 61
- Fosdick, L. D., 473

- Gaposchkin, E. M., 577
- Gat, I., 463
- Gauthier, R. L., 225
- Godliman, G. S., 569
- Grosse-Lindeman, C. O., 29
- Guttmann, A. J., 221

- Hague, S. J., 61
- Hanson, D. R., 245
- Heher, A. D., 387
- Hill, I. D., 283
- Hoare, C. A. R., 341
- Howarth, D. J., 384
- Hudson, R. H., 541
- Hummel, H., 447
- Hutt, A. T. F., 440

- James, E. B., 527
- Jones, B., 261

- Karn, R., 579
- Kaubisch, W. H., 341
- Khaiat, P. J., 411
- Klaus, R. L., 435

- Lancaster, R. L., 83
- Lang, C. A., 291
- Lang, T., 321
- Laskar, D. M., 411
- Lazarus, P., 207
- Leonard, G. L., 569
- Lister, A. M., 377
- Loeser, R., 577

- Maynard, K. J., 377
- McClure, R. M., 225
- Mullins, J. M., 439

- Nagel, H. H., 29
- Neely, P. M., 7
- Nelder, J. A., 438
- Newman, N., 321

- Osterweil, L. J., 403

- Palme, J., 405
- Partridge, D., 527
- Patel, M. H., 271
- Perrott, R. H., 341
- Peterson, N. D., 133
- Pugh, C. G., 487
- Purser, W. F. C., 327

- Reeves, C. D., 440
- Reeves, T., 271

- Saal, H. J., 463
- Sabin, M. A., 393, 581
- Schneider, V. B., 83
- Schneiderman, B., 555
- Schonfelder, J. L., 71
- Shrivastava, S. K., 357
- Sims, J., 284
- Spier, M. J., 293, 443
- Sreenivasan, J. L., 71
- Sue, J. Y., 371

- Tuffs, D. E., 93

- Valentine, S. H., 136, 285
- Visvalingam, M., 397
- de Vries, W., 109

- Wichmann, B. A., 261
- Wilkes, M. V., 582
- Winderbank, D. G., 271
- Wortman, D. B., 411

KEY WORDS, VOLUME 6

- Abstract data types, 165
- Accounting data, 239
- Ackermann's function, 133
- Adaptive, 527
- Algol 60, 261
- Algol 68, 51
- Authors, 321
- Automated documentation, 473

- BASIC, 387, 423
- BCPL, 255, 377
- Bitmap, 397

- Capabilities, 327
- CDC 3600, 541
- Character handling, 393
- Classes, 165
- COBOL, 117
- Coded delta, 397
- Code generation, 109
- Code optimization, 29
- Command language, 271
- Commercial programs, 505
- Compaction, 397
- Compatibility, 405
- Compiler(s), 83, 225, 405, 423, 527
- Compiler-generator, 83
- Compiler tests, 261
- Composite files, 61
- Computer, 405
- Computer networks, 541
- Computer performance, 239
- Computer program analysis, 505
- Computer programming, 405
- Concurrent Pascal, 141, 151, 165
- Confidence, 281
- Confidential execution stream, 463
- Confidentiality attributes, 463
- CYBER76, 541

- Data flow analysis, 473
- Data security, 463
- Data structures, 555
- Debugging, 387, 473, 577
- Diagnostic facilities, 245
- Disk allocation, 141, 201
- Documentation for users, 321
- Document preparation, 271
- Document structure, 321
- DO loops, 221

- Editor, 271
- Error detection, 207
- Error locating, 207
- Exhaustive testing, 7

- Field trials, 321
- File structures, 555
- File system, 141, 165
- Flight simulation, 255
- FORTTRAN, 221, 393
- Front-end processor, 541
- Functions of documentation, 321

- Generalization of portability, 29
- Goodness of fit, 281
- GOTO-less programming, 293
- Graphics, 255

- Heuristic, 527
- Hierarchical program design, 165
- High level language, 117

- Illiac, 579
- Implementation problems, 29
- Implementation technique(s), 245, 447
- Input/output, 165
- Input/output buffering, 141
- Interaction, 569
- Interactive systems, 447
- Interpreter(s), 423, 447
- Interpretive languages, 387

- Job control, 133, 141
- Job control languages, 93, 151
- Job interface, 151
- Job load characterization, 43

- Kolmogorov test, 281
- KRONOS, 133

- Language design, 93
- Language processing, 393
- Learning system, 527
- Library software, 71

- Machine architecture, 109
- Machine independence, 447
- Master library files, 61
- Memoryless execution, 463
- Message buffers, 165
- Meteorology, 579
- Minicomputers, 43
- Minicomputer software, 225
- Monitor(s), 165, 357, 377
- Multi access, 93
- Mutual exclusion, 377

- New PASCAL features, 29
- Non-procedured language, 117
- Novice programmers, 43
- Operating system(s), 327, 341, 357, 377
- Operating system design, 93
- Operator communications, 93, 141, 165
- Overlays, 327
- Parallel computing, 579
- Parallel processing, 377
- PASCAL, 109, 341
- Pattern recognition, 527
- PDP 11, 109
- Performance measurement, 411
- PL/I, 411, 505
- Plotting, 51
- Portability, 61, 393, 447
- Portable compiler, 109
- Portable software, 71
- Preprocessor(s), 61, 225
- Processes, 165
- Program correctness, 293
- Program design, 555
- Program documentation, 387
- Program generator, 117
- Program loading, 201
- Program testing, 165, 473
- Programming, 293
- Programming efficiency, 577
- Programming language(s), 83, 245, 405
- Programming methodology, 555
- Protection, 463
- Reactive system, 271
- Real-time executive, 387
- Real-time languages, 327
- Recursion, 133
- Remote job entry, 93
- Report generator, 117
- Reproduction, 321
- Resource scheduling, 165
- Resource utilization, 239
- Rotational delay, 201
- Scaled arithmetic, 255
- Scheduling algorithm(s), 201, 357
- Second Law of Debugging, 577
- Self-optimizing, 527
- Semantic error checking, 207
- SIMULA, 405
- Simulation, 341
- Size and performance, 141
- SNOBOL4, 245
- Software development aid, 487
- Software engineering methodology, 293
- Software management system, 61
- Software monitor, 239
- Software production and maintenance, 293
- Software validation, 473
- Solo operating system, 141, 151, 165, 201
- Sparse data, 397
- Special function routines, 71
- Special purpose computing, 579
- SP/k, 411
- Standardization, 405
- Static profile, 505
- Stepwise refinement, 555
- Store protection, 327
- Strings, 397
- Structural programming, 7
- Structured programming, 293, 487, 555
- Summations, 221
- SURGE, 117
- Synchronization, 341, 357, 377
- Syntax analysis, 527
- Syntax-directed compilation, 207
- Syntax-directed error correction, 207
- Systematic programming, 357
- Tasting, 261
- Throw-away compiling, 423
- Top-down design, 7, 555
- Towers of Hanoi, 133
- Transportability, 61
- Tree structures, 555
- Validation, 261
- Video-terminal, 569
- Virtual memory, 225
- Viscom, 569
- Viscommand, 569
- Word processing, 271
- Workspace organization, 447

